

To: Russ, Timothy[Russ.Tim@epa.gov]
From: Rickard, Joshua
Sent: Tue 11/8/2016 8:13:24 PM
Subject: RE: Estimate of a DV for PM10 for the La Casa Monitoring Site?

La Casa POC 1 1 in 3 Sampler

Year	N	Highest value	2 nd highest	3 rd highest	4 th highest	
2015	119	55	48	44	43	
2014	127	66	65	62	62	
2013	122	81	73	56	45	

Joshua Rickard (8P-AR)

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From: Russ, Timothy
Sent: Tuesday, November 08, 2016 8:00 AM
To: Rickard, Joshua <Rickard.Joshua@epa.gov>
Subject: FW: Estimate of a DV for PM10 for the La Casa Monitoring Site?

Hi Josh,

Sorry I was not that clear below on my request for help on the background DV for the La Casa monitor. Below is an example from the Commerce City PM₁₀ monitor, to be used in PM hot-spot modeling, and I would be looking for similar data from the La Casa FRM monitor:

EPA's November, 2015 PM Hot-spot modeling guidance ("Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM_{2.5} and PM₁₀ Nonattainment and

Maintenance Areas”) notes the following in section 9.3.4 *24-hour PM₁₀ NAAQS*:

Calculating Design Values and Determining Conformity

The 24-hour PM₁₀ design value is calculated at each receptor by directly adding the sixth-highest modeled 24-hour concentrations (if using five years of meteorological data) to the appropriate monitor value for the 24-hour background concentration from three years of monitoring data, based on Exhibit 9-6.¹⁵³ Exhibit 9-6: Monitor Value Used for Design Value Calculation

Number of Background Concentration Values from the Monitor	Monitor Value Used for Design Value Calculation
< 347	Highest Monitor Value
348 -695	Second Highest Value
696 -1042	Third Highest Value
1043 -1096	Fourth Highest Value

PM₁₀ data from the Commerce City monitoring site is provided in the table below:

EPA/OTAQ Table of Data

Year	N	Highest value	2 nd highest	3 rd highest	4 th highest
2013	357	144	97	93	89
2012	308	113	86	76	75
2011	351	82	65	64	61

“N” = the number of days of valid data recovery.

Ex. 5 - Deliberative Process

Thanks!

Tim

From: Russ, Timothy
Sent: Monday, November 07, 2016 11:47 AM
To: Rickard, Joshua <Rickard.Joshua@epa.gov>
Subject: Estimate of a DV for PM10 for the La Casa Monitoring Site?

Hi Josh,

Thanks for being willing to review the attached air quality monitoring information. Based on what's contained in the the three Excel spreadsheets, can you calculate an *approximate* DV for the La Casa site for PM10 for 2013-2015?

Much appreciate the help!

Tim

Tim Russ
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From: Berry, Laura
Sent: Friday, November 04, 2016 1:54 PM

To: Russ, Timothy <Russ.Tim@epa.gov>; Patulski, Meg <patulski.meg@epa.gov>; Dubey, Susmita <dubey.susmita@epa.gov>
Cc: Dresser, Chris <Dresser.Chris@epa.gov>; Anderson, Carol <Anderson.Carol@epa.gov>; Jackson, Scott <Jackson.Scott@epa.gov>; Denawa, Mai <Denawa.Mai@epa.gov>; Odendahl, Steve <Odendahl.Steve@epa.gov>
Subject: RE: Followup Questions from last week's IAC meeting - FHWA's Responses

Hi Tim,

I pulled down data for La Casa from EPA's air data webpage, attached – note, the only change I made to these spreadsheets was to sort the sheet based on column K “pollutant standard.” If you want the original downloads, go to:

<https://www.epa.gov/outdoor-air-quality-data/interactive-map-air-quality-monitors> and then launch the map app, zoom in on Denver, and click on the La Casa monitor.

Laura Berry

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From: Russ, Timothy
Sent: Friday, November 04, 2016 1:35 PM
To: Patulski, Meg <patulski.meg@epa.gov>; Berry, Laura <berry.laura@epa.gov>; Dubey, Susmita <dubey.susmita@epa.gov>
Cc: Dresser, Chris <Dresser.Chris@epa.gov>; Anderson, Carol <Anderson.Carol@epa.gov>; Jackson, Scott <Jackson.Scott@epa.gov>; Denawa, Mai <Denawa.Mai@epa.gov>; Odendahl, Steve <Odendahl.Steve@epa.gov>
Subject: FW: Followup Questions from last week's IAC meeting - FHWA's Responses

Hi Everyone,

Ex. 5 - Deliberative Process

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La Casa (CASA)

Region: Denver

Monitoring Station

4545 Navajo Street

SAROAD:

AQS ID: 080310026

Latitude: 39.779460

Longitude: -105.005124

Reporting capabilities (hourly)

SLAMS: CO, PM10, PM2.5

NAMS: O3, SO2

SPM: NO, RD, RS, TEMP, WD, WS

Please let me know if you any questions and thanks for your continuing assistance on this project.

Tim

Tim Russ

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